

Abstract of the Disclosure

By storing an authenticator created from a data
file in a secure area usually unaccessible, the
5 alteration of the data file can be detected.
Furthermore, by designating the data file as a main-
file and creating authenticators from various kinds
of sub-files related to the main-file, the size of the
secure area where the authenticators are stored, can
10 be reduced.

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